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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/782,689	02/18/2004	Tim Renfro	42P 17188	4688

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EXAMINER

PRASAD, CHANDRIKA

ART UNIT PAPER NUMBER

2839

DATE MAILED: 09/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 8/18/05 has been entered.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-2, 5-13 and 15-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Arisaka (5102352).

Arisaka (Figures 1-10) shows a socket 10 having a socket body with a holding formation and plurality of horizontally spaced socket openings, a first and second electrically disconnected conductors 16, 14 carried by the socket body, a plurality of sets of identical interconnect elements 22, 21 with a projection on a side surface of each element frictionally inserted into the socket openings, the first and second interconnection elements connected to the first and second conductors, and the lower

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and upper socket contacts connected to interconnection elements on the lower and upper sides of the socket body. The socket holding formation is formed by recess and sidewalls. The first conductor includes a power plane and liners in one of the socket openings. The second conductor includes a ground plane and liners in one of the socket openings. The socket has a plurality of insulating layers at different elevation than those of ground and power planes. The socket has another interconnection element 23 connected to a third conductor 15 in a third plane different than the power and ground planes. Each interconnection element has a stop component. A distance between the stop component and the protrusion is the same for all interconnection elements which also have second protrusions at the same height. The protrusions on the first set of interconnection elements are disconnected electrically from those of the second set. Each socket pin 20 is formed with a receptacle portion to receive pins 30 on a lower side of a microelectronic package on a carrier substrate.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 3-4 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Arisaka (5102352).

Arisaka shows all the features of these claims except a spring in the recess of the socket, a means for retaining a microelectronic package and solder balls attached to

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the interconnection elements. Such features are well known and widely used in the art of electrical connectors. It would have been obvious to one of ordinary skill in the art at the time of the instant invention to provide these features for their intended uses which are well known and involves only routine skill in the art.

Conclusion

6. All claims are drawn to the same invention claimed in the application prior to the entry of the submission under 37 CFR 1.114 and could have been finally rejected on the grounds and art of record in the next Office action if they had been entered in the application prior to entry under 37 CFR 1.114. Accordingly, **THIS ACTION IS MADE FINAL** even though it is a first action after the filing of a request for continued examination and the submission under 37 CFR 1.114. See MPEP § 706.07(b). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Contact Information

7. Any correspondence to this action may be mailed to:

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**Commissioner for Patents
Post Office Box 1450
Alexandria, VA 22313-1450**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chandrika Prasad whose telephone number is (571) 272-2099.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor can be reached at (571) 272-2800 ext 39. The fax number is (703) 872-9306.



Chandrika Prasad
Primary examiner
September 22, 2005